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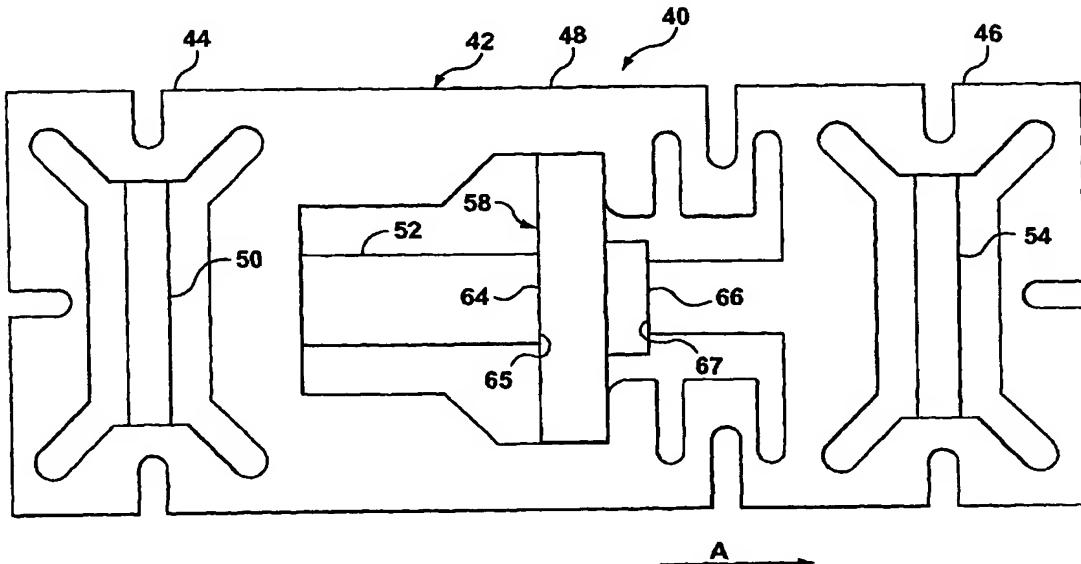
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(54) Title: MICRO-POSITIONING DEVICE



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(57) Abstract: A micro-positioning device adapted for displacement in a direction of travel. The device has a frame (42), an actuator (52) attached to the frame, and a hydraulic booster (58) attached to the frame and operably connected to the actuator. The actuator (52) is adapted for activation and de-activation in sequence with clamping actuators (50, 54) to achieve a displacement in the direction of travel (A). The hydraulic booster is adapted for amplifying or de-amplifying displacement in the direction of travel. The hydraulic booster converts mechanical energy into hydraulic energy and converts hydraulic energy into mechanical energy to modify the displacement.



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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 697 554 A (AUWAERTER GERHARD ET AL) 16 December 1997 (1997-12-16) column 1, lines 5-8; figures 1,2 column 2, line 65 - column 4, line 24 -----	1-3, 21-23
Y	US 4 736 131 A (FUJIMOTO TOSHITAKA) 5 April 1988 (1988-04-05) column 1, lines 34-43; figure 3 column 3, line 26 - column 4, line 33 -----	4-20,24
Y	WO 93/06625 A (SIEMENS AG) 1 April 1993 (1993-04-01) page 5, lines 1-14; claims 1,11; figure 1 page 6, line 37 - page 7, line 3 -----	4-20,24

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Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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